

ABSTRACT

A high-voltage component, comprising a first end (1) and a second end (2), wherein under operating conditions the first end (1) is on a high-voltage potential with respect to the second end (2), comprising an insulating part (3), which is arranged between the first end (1) and the second end (2), and comprising an optical fiber (4), which is integrated in the high-voltage component and which extends from the first end (1) to the second end (2), comprises a capillary (5) which extends from the first end (1) to the second end (2) and which is arranged within the insulating part (3). The inside diameter of the capillary (5) exceeds the outside diameter of the fiber (4), and the fiber (4) is arranged within the capillary (5). The capillary (5) comprises a protective medium (6) to achieve a dielectric strength in the capillary (5), which dielectric strength is suitable for the operating conditions.

(Fig. 1)